

**IN THE CLAIMS**

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1. (Currently Amended) A method for measuring volatile organic compounds of a material produced in a process system having emissions, said method comprising:
- (a) disposing an amount of said material in an enclosed bag having a sealable opening such that there is headspace above said material in said enclosed bag;
  - (b) storing said enclosed bag containing said solid material at the mean exit temperature of said emissions of said system such that equilibrium between said material and said headspace is reached; and
  - (c) introducing samples from said headspace into a flame ionization detector which thereby measures said volatile organic compounds of said material.
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cont'd
2. (Original) The method of claim 1 wherein said system is a fluid bed dryer.
3. (Original) The method of claim 1 wherein said system is a spray dryer.
4. (Original) The method of claim 1 wherein said storing step is for from about 5 hours to about 24 hours.
5. (Original) The method of claim 1 wherein said amount of said material is from about 1 gram to about 100 grams.
6. (Original) The method of claim 1 wherein said system is a storage tank.
7. (Original) The method of claim 1 wherein said mean exit temperature is from about 5 °C to about 100 °C.
8. (Original) A kit for measuring the volatile organic compounds of a material produced in a process system having emissions, said kit comprising:

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- (a) an enclosed bag having a sealable opening to allow an amount of said material to be placed in said enclosed bag such that there is headspace above said material; and
  - (b) instructions for analyzing samples from said headspace in said enclosed bag, thereby providing said volatile organic compounds of said material.

9. (Original) The kit of claim 8 wherein said instructions for analyzing said samples include withdrawing said samples from said headspace using a flame ionization detector.

10. (Original) The kit of claim 8 wherein said instructions for analyzing samples include storing said enclosed bag in a temperature adjustable apparatus.

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